

DIGI-DATA CORPORATION

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BLADENSBURG, MARYLAND 20710
TELEPHONE 301-277-9378

PAPER TAPE TO MAGNETIC TAPE CONVERTER



Model 1720

Paper tape to magnetic
tape conversion at
card conversion cost.

- **CONVERTS**
- **TRANSLATES**
- **FORMATS**

Programmable

COMPACT AND VERSATILE

If you were to place a 1720 on your desk it would take up less space than three sheets of 8½ x 11 paper. Its height is that of a legal size sheet. And not only is it small—it is light. What is more, it can be readily separated for easy portability if required: the magnetic tape transport weighs 33 pounds; the bottom chassis weighs 37 pounds.

Based on the simple, time-proven Digi-Data incremental recorder, it does everything converters twice its price and ten times its size can do—and more. And it does it all alone. It doesn't need an expensive computer as its full-time working partner. Give it a table top and a 115 volt standard outlet and it's ready to go to work.

What can it do?

PROGRAMMING CAPABILITIES

Read paper tape at 100 characters per second—center unwind or outside unwind—five-channel, six-channel, seven-channel, eight-channel—up to nine-inch diameter rolls (chadless tape-reader optional).

Write magnetic tape at 200 characters per inch (556 optional)—even parity or odd parity.

Translate any input character-code to any output character-code—via the extremely flexible program board with its wide variety of programming functions.

Check paper tape for odd parity or even parity—or omit parity check if preferred.

Halt the conversion process if error condition occurs—or allow conversion to continue but write alarm-character on magnetic tape.

Create blocked output magnetic-tape records from unblocked input paper-tape records—or create output records comprising a fixed number of characters—or write one output record for one input record.

Generate a longitudinal check character and $\frac{3}{4}$ inch inter-record gap upon reading any selected input code or codes—or upon reaching a specific output character-count as controlled by the program panel.

Translate Non-BCD codes such as Dura, Letteriter, and Teletype to IBM-BCD—or to any other six-bit-and-parity output configuration.

Branch to alternate functions per selected input character or processing condition as specified by program panel wiring.

Suppress writing of all paper-tape characters beginning with Skip-write character and resuming writing only when reading the End Skip-write character.

All of the above functions are automatic, programmed by means of the easily-wired programming panel. Following is a list of manual controls and processing indicators which the 1720 provides:

CONTROLS

Power On

Applies power to the system

Beginning-of-Tape

Advances magnetic tape to the loadpoint reflective marker.

Loadpoint Stop

Halts magnetic tape loadpoint advance in cases where reflective marker may be missing or tape is improperly loaded.

Fast Forward

Moves magnetic tape rapidly forward.

Paper Tape Width Selector

Set for 5, 6, 7, or 8 channel paper tape (11/16, 7/8, and 1 in.).

Feed Hole Selector (optional)

Clockwise for Lead-edge; counterclockwise for In-line.

Start

Converts paper tape to magnetic tape under control of the wired program panel.

End-of-File

Creates $\frac{3}{4}$ in. inter-record gap and writes tapemark followed by longitudinal check character.

Write On

Manual control to activate magnetic tape writing operation.

Write Off

Manual control to suspend of magnetic tape writing operation.

Magnetic Tape Rewind

Rewinds magnetic tape to supply reel.

Stop

Halts conversion process for operator intervention.

INDICATORS—The following indicators permit maximum supervision and control over the conversion process:

System Power

Power is applied to system (115 vac 60 cyc 2 amps).

Magnetic Tape

Magnetic tape is properly loaded.

Data

Transcription taking place properly with correct lateral parity being created.

Paper Tape Parity Error

Parity error has been read on paper-tape input.

Invalid Paper Tape Character

Improper code-configuration has occurred on input paper tape; processing halted, or alarm-character substituted for invalid character and written on magnetic tape.

Echo Check

Paper tape improperly loaded or is defective (torn, etc.) processing halts.

Magnetic Tape Tension

Magnetic tape improperly loaded or is defective (processing halts).

End-of-Tape

Reflective marker has been sensed on magnetic tape and a paper tape end-of-record character has been read (or fixed number of paper tape characters has been written to magnetic tape); processing halts for mounting of new reel of magnetic tape.

Program Indicators

Four indicators display the following conditions: Write, Letters, Branch 1, Branch 2.

FAST AND RELIABLE

The 1720 is gentle on paper tape (photoelectric read) and is unusually reliable in operation—it doesn't have to rush its work to keep up with the high cost of computer rental. It can easily transcribe 2,500,000 characters per eight hour shift, and is fast and simple to load—15 seconds to mount new paper tape reels (faster for strip reading) and just 30 seconds to load a new coaxially-mounted mag tape reel. Its relaxed operation make for minimal wear and high reliability—and of course service arrangements are standard for our installations for those rare occasions when required.

APPLICATIONS

Applications abound in manufacturing and communications. Input devices producing paper tape for conversion on the 1720 range from tapewriters, cash registers and adding machines (Friden, NCR, Dura, IBM, Letteriter) through communications equipment (Teletype, Data-phone) to computing systems featuring paper tape as a sole or principal output (RCA, IBM, LGP).

In the ever-growing range of communications, control, and computing—in data transmission, machine-tool control, process control, automated typesetting, keyboard computer input bypassing the slower card-punching devices—paper tape is increasingly proving itself to be an optimal storage medium. And wherever paper tape may be economically used, the Digi-Data Model 1720 can help effect further economies.

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DIGI-DATA CORP.

DIGITAL STEPPING RECORDERS ■ DIGITAL DATA HANDLING EQUIPMENT

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- ☐ incremental recorders
- ☐ paper to magnetic tape converters
- ☐ magnetic to paper tape converters
- ☐ _____

with reference to:

- ☐ current requirement
- ☐ future application
- ☐ reference or academic interest
- ☐ _____

and would like you to:

- ☐ have sales engineer call
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- ☐ add my name to your mailing list
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